ABSTRACT OF THE PREMIUMS

OFFERED BY THE

SOCIETY, INSTITUTED AT LONDO

FOR THE ENCOURAGEMENT OF ARTS MANUFACTURES, AND COMMERCE.



London: Printed, by Order of the SOCIETY, by JOHN NICHOLS, Red Lion l'affage, Fleet-street. 1797.

To the PUBLICK.

THE CHEEF OBJECTS of the artention of the Society, in the application of their Rewards, are all fuch useful inventions, discoveries, or improvements (though not mentioned in the Book of Premiums), as appear to have a tendency to promote the arts, manufactures, and commerce, of this kingdom; and, in pursuance of this plan, the Society have already been enabled, by the voluntary subscriptions of its members, and by benefactions of the nobility and gentry, to expend for such useful purposes a sum amounting to near forty thousand pounds.

Whoever attentively considers the benefits which have arisen to the Publick since the institution of this Society, by the introduction of new manufactures, and the improvements of those formerly established, will readily allow, no money was ever more usefully expended; nor has any nation received more real advantage from any public body whatever than has been derived to this country from the rewards bestowed by this Society; and this observation will be consirmed by inspecting a general account of the effects of the rewards bestowed by the Society, annexed to a work in folio, printed in 1778, instituted, "A Register of the Premiums and Bounties given by the Society, instituted at London, for the Encounteragement of Arts, Manufactures, and Commerce, from the Original Institution in 1754, to 1776, inclusive;" which work may be seen by any person, applying to the Secretary, or other officers of the Society, at their boute in the Adelphi.

In order still farther to promote the laudable views of this institution, and to enable the Society to profecute to greater effect the work so faccessfully begun, it may not be improper to inform the Publick, by what mode, and on what terms, Members are elected.—Peers of the realm, or Lords of Parliament, are, on their being proposed at any meeting of the Society, immediately balloted for; and the name, with the addition and place of abode, of every other person proposing to become a Member, is to be delivered to the Secretary, who is to read the same, and properly insert the name in a list of candidates, to be hung up in the Society's room until the next meeting, at which such persons shall be balloted for; and, if two-thirds of the Members then voting ballot in his favour, he shall be deemed a Perpetual Member, upon payment of swenty guineas at one payment, or a Subscribing Member, upon payment of any sun, not less than swo guineas, annually.

Every Member is equally entitled to vote, and be concerned in all the transactions of the Society, and its feveral Committees.

The meetings of the Society are held every Wednesday, at his o'clock in the evening, from the fourth Wednesday in Officer, to the first Wednesday in June. And the several Committees, to whose consideration the various objects of the Society's attention are referred, neet on the other evenings in every week during the session.

All candidates are to take notice, that no claim for a premium will be attended to, unless the conditions of the advertisements are fully complied with.

The feveral condidates and claimants, to whom the Society shall adjudge premiums of bounties, during their next fession, are to attend at the Society's office in the Adelphi, on the last Tuesday in May, 1798, at twelve o'clock at noon, to receive the same, that day being appointed by the Society for the distribution of their rewards; before which time no n or bounty will be delivered.

It is required, that the matters, for which premiums are offered, be delivered in without ames, or any intimation to whom they belong; that each particular thing be marked in that manner each claimant thinks fit, fuch claimant fending with it a paper fealed up, having on the ourfide a corresponding mark, and on the infide the claimant's name and a is and the candidates in the Polite Arts are to fignify their ages, and whether their Drawings be Originals or Copies.

All the Premiums of this Society are defigned for Great Britain, except those offered for the advantage of the British Colonies.

The Fifteenth volume of the Transactions of this Society is now in the prefs, and will speedily be published, when it may be had at the Society's house in the Adelphi; and of the principal book sellers in England and Wales; in which book will be found the particulars of each premium inferted in the following Abstract, and the methods to be pursued by those who intend to become candidates; together with many papers communicated to the Society, in the several branches of Arts, Manusastures, and Commerce, which are the immediate objects of their attention and encouragement; and it is recommended to all Candidates to confult that book, in order that militakes in making their claims may be avoided.

By Orden, SAMUEL MORE, Secretary. Adelphi, April 13, 1797.

PREMIUMS FOR PLANTING AND HUSBANDRY.

CLASS.

A CORNS. For having fet ten acres, between October, 1796, and April, 1797; the gold medal.

2. For five acres; the filver medal. Cartificates to be produced on the first uesday in November, 1797. 9. RAISING OAKS. Not sewer than

five thousand, from plants, or acorns; the gold medal.

10. For three thousand; the filver

Certificates to be produced on the first

Tuesday in January, 1798.

15. RAISING OARS. For ascertaining the comparative merits of the different modes of raising Oaks for timber; the gold medal.

Accounts to be produced on the first
Tuesday in November, 1797.

17. OAR TIMBER IN COMPASS
FORMS. For aftertaining, by experiment, the best method of training Oaks,
not fewer than one hundred, into compass forms for ship-building; the gold

certificates to be produced on the laft

Tuefday in December, 1805.

18. SPANISH CHESNUTS. For fetsing fix acres between the 1st of October,

1796, and April, 1797, with or without feeds or cuttings of other trees; the gold meda!.

19. For four acres; the filver medal. Certificates to be produced on the first

Tuefday in November, 1797. 26. ENGLISH ELM. Foreight thoufand, planted between June, 1795, and June, 1796; the gold medal.

For five thousand; the filver medal.

Cartificates to be delivered on the first

Tuesday in April, 1798.

34. LARCH. For planting, from June, 1794, to June, 1795, five thousand, the gold medal.

35. For three thousand; the filver medal.

Certificates to be delivered on the last Tuefday in December, 1797. 44. SILVER FIR. For not fewer than

two thousand, planted between June, 1793, and June, 1794; the gold medal.

45. For one thousand; the filver medal.

Certificates and accounts to be delivered on the last Tuesday in December, 1797.

50. OSDERS. For not less than five acres, planted between the 1st of January and the 1st of June, 1797, not fewer than twelve thousand on each acre; the gold medal, or thirty guineas.

51. For three acres; the filver medal, or ten guineas.

Certificates to be produced on the last

Tuelday in November, 1797.

54. ALDER. For having planted, in the year 1794, at least three thousand; the gold medal.

Certificates to be produced on the last

Tuefday in December, 1797.

58. Asu. For fix acres planted in 1794; the gold medal.

59. For not less than four acres; the

filver medal.

Certificates to be produced on the laft

Tuefday in December, 1797.

68. TIMBER-TREES. For having enclosed, and planted or fown, ten acres with Forest trees for timber, between October, 1793, and May, 1795; the gold

Certificates to be produced on the fieft

Tuesday in November, 1797.

72. PLANTING ORCHARDS. planting an Orchard in the most judicious manner, not less than four acres, after the month of August, 1796; the gold medal, or fifty guiness.

73. For the next in merit; the filver

medal, or thirty guineas.

Certificates to be produced on the first
Tuesday in November, 1815.

74. ORCHARDS. For the Orchard
which, at the end of three years after planting, shall shew the greatest promise of success; the gold medal, or thirty guiness.

Certificates to be produced on the first Tuesday in November, 1799.

78. SECURING PLANTATIONS OF TIMBER. For fatisfactory accounts of fecuring Timber-trees from hares, cattle, &cc.; the filver medal, or twenty guineas.

Accounts and certificates to be produced on the first Tuesday in November, 1797.

The candidates for planting all kinds of trees are to certify, that the respective plantations are properly fenced and focured, and particularly to flate the condition the plants aware in at the time. condition the plants were in at the time of figning fuch certificates.

Any information which the candidates

for the foregoing premiums may chiefe to communicate, relative to the methods made use of in forming the plantations, or promoting the growth of the several trees, or any other observations that may have occurred on the subject, will be thankfully

So. PREVENTING BLIGHTS. For discovering the best method of preventing blights on fruit-trees; the gold medal, or thirty guineas.

The accounts and certificates to be devered on the fecond Tuefday in Novem-

ber, 1797.

83. TAKING OFF THE ILL EFFECTS BLIGHTS. For discovering a methor of taking off the ill eff. ets of blights on fruit-trees, verified by experiments; the gold medal, or thirty guiness.

counts and certificates to he delivered on the first Tuefday in February, 2798.

84. COMPARATIVE CULTURE OF WHEAT. For the best set of experiments made on eight acres, to determine the comparative advantages of cultivating wheat, by fowing broad-caft or drilling the gold medal, or filver medal and

The accounts to be produced on the

first Tuefday in February, 1798.

86. COMPARATIVE CULTURE OF WHEAT. For the heft fet of experiments made on eight acres, to determin the comparative advantage of cultivatin wheat, by broad-caft or dibbling; the gol medal, or filver medal and thirty guinea

The accounts to be produced on the first Tuesday in February, 1798.

87. BEANS AND WHEAT. planting or drilling, between December, 1795, and April, 1796, ten acres, with beans, and for fowing the fame land with wheat in the year 1796; twenty guiness.

Certificates to be produced on the first

Tuefday in November, 1797.

90. TURNEPS. For experiments made on fix acres, to determine the con parative advantages of the drill or broad-caft method in the cultivation of turneps; the gold medal, or filver medal and ten To be delivered on the third Tuefday

in March, 1798.

92. VEGETABLE FOOD. For the best account of vegetable food, that will most increase the milk in mares, cows, and ewes, in March and April; the go medal, or filver medal and ten guineas

Certificates to be produced on the fe-cond Tuefday in November, 1797.

94. POTATOES FOR FEEDING CAT-TLE AND SHEEP. For cultivating, in 1796, not less than four acres, for the fole purpose of feeding cartle and sheep; the gold medal, or entry guineas.

Certificates to be produced on the second Tuesday in November, 1797.

96. CULTIVATING ROOTS AND HERBAGE FOR PEEDING SHEEP AND BLACK CATTRE. For experiments made on two acres of land, between Michaelmas, 1796, and May, 1797, to afsertain which of the following plants can

be fecured for winter fodder to the greateft advantage, viz.

Turnep-rooted cabbage, carrots, turnep-cabbage, parineps, turneps, potatoes.

The accounts and certificates to be produced on the first Tuesday in November, 1797; the gold medal.

97. PARSNEPS. For cultivating, in 1797, not less than five acres with Parsneps, for feeding cattle or sheep; the gold medal, or thirty guineas.

Certificates and accounts to be deli-

bruary, 1798.

99. MAKING HAY IN WET WEA-THER. For discovering the best method of making hay in wet weather; the gold

medal, or thirty guineas.

Certificates and accounts of the making the produce of fix acre of land to be produced on the first Tuesday in January,

WEATHER. For discovering the best method of barvesling not less than sour acres of corn in wet weather; the gold medal, or thirty gain as.

Certificates, accounts, and familes, to be produced on the first Tuesday in Ja-

nuary, 1798.

RHUBARB. For raising, in the year 1797, not less than two thousand plants of the true rhubarb; the gold medal, or thirty guineas.

Certificates to be produced on the fe-

NENT PARTS OF ARABLE LAND. For the most farisfactory experiments, to afcertain the due proportion of the several component parts of arable land, by an accurate analysis of it; the gold medal, or fifty guineas.

The accounts to be produced on the last

Tuefday in November, 1797.

WATER MEADOWS. For the best account of forming and applying Water-Meadows; the gold medal, or thirty guineas.

Accounts to be produced on the third

Tuefday in February, 1798.

waste. For a method of improving so acres of foils lying waste or uncultivated; the gold metal, or filver medal and twenty guineas.

108. For 25 acres; the filver medal

and ten guineas.

The accounts to be produced on the fecond Tuefday in December, 1797.

113. MANURES. For the beft fet of

experiments to afcertain the comparative advantage of foot, coal-aftes, wood othes, lime, gypfum, or night-foil; the go d medal, or filver medal and twenty guineas.

The accounts to be produced on the laft

Tuefday in February, 1798.

For the improvement of not less than one hundred acres of waste moor-land; the gold medal.

Certificates to be produced on the first

Tuefday in February, 1798.

SEA. For an account of the best method of gaining from the sea not less than twenty acres of land; the gold medal.

Certificates to be produced on the first

Tuefday in October, 1797.

123. MACHINE FOR DIBBLING WHEAT. For the best machine for dibbling wheat; the filver medal, or twenty guineas.

The machine, with certificates, to be produced on the fecond Tuelday in Ja-

nuary. 1798.

CORN. For a machine to reap or mow grain, by which it may be done cheaper than by any method now practifed; the filver medal, or ten guineas.

The machine, with certificates, to be produced on the fecond Tuefday in De-

cember, 1797.

improved horse or hand hoe, for cleaning the spaces between corn sown in equiditant rows, and earthing-up the plants; the gold medal, or twenty guineas.

To be produced, with certificates of its work, on the first Tuesday in Decem-

ber, 1797.

126. DESTROYING THE GRUB OF THE COCKCHAFER. For discovering a method of destroying the grub of the cockchafer; the gold medal, or thirty guineas.

The accounts to be delivered on the

first Tuefday in January, 1798.

worm. For discovering a method of destroying the wire-worm; the gold medal, or thirty ginneas.

The accounts to be delivered on the

firft Tuefday in January, 1798.

HOPS, AND CATERPILLARS IN OR-CHARDS For discovering an easy method of destroying the fly on hops, and caterpillars in orchards; the gold medal, or thirty guineas.

Certificates to be delivered on the first

Tuelday in February, 1798.

129. CURE

SHEEP. For discovering an effectual cure, verified by experiments; the gold medal, or thirty guineas.

Accounts of the cause and prevention, with certificates, to be produced on the first Tuesday in February, 1798.

THE ILL EFFECTS OF THE FAY ON SHEEP. For discovering a method of preventing and curing those effects; the filver medal, or thirty guineas.

Certificates and accounts to be produced on the first Tuefday in December, 1797-

protecting in bad feafons in the year 1797, by means of hoveis or sheds, not fewer than five hundred sheep; twenty guineas.

Accounts of the advantages, and certificates of the utility, to be produced on the first Tuesday in March, 1798.

PREMIUMS FOR DISCOVERIES AND IMPROVEMENTS IN CHEMISTRY, DYING, AND MINERALOGY.

134. BARILLA. For half a ton of merchantable berilla, made from any plant raifed in Great B itain; the gold medal, or thirty guineas.

Twenty-eight pounds, with a certificate, to be produced on the first Tuesday in January, 1798.

GETABLES. For a method of preferving the feeds of plants fit for vegetation; the gold medal, or thirty guineas.

To be communicated on the first Tucfday in December, 1797.

137. SEPARATING THE SUGAR FROM PREACLE. For discovering a cheap method of separating the sacchatine substance of treacle in a folid form, not less than one hundred weight; the gold medal, or fifty guineas.

Certificates and accounts, with samples, to be produced on the first Tuesday in

February, 1798.

139. PRESERVING FRESH WATER
SWEET. For the best account, verified
by trials, of a method of preserving fresh
water during long voyages; the gold
medal, or fitty guineas.

Accounts, and descriptions of the methods made use of, with thirty gallons of the water, to be produced on the last Tuesday in December, 1797.

141. DESTROYING SMOKE. For an account of a method of deftroying the smoke of fires belonging to large works; the gold medal, or thirty guineas.

To be produced on the first Tuesday in January, 1798.

143. CONDENSING SMOKE. For the bell method of condensing and collecting the smoke of fream-engines, &c.; the gold medal, or fifty guineas.

Accounts, certificates, and specimens, to be produced on the first Tuesday in December, 1797.

145. CANDLES. For discovering a method of making candles of resin, fir for common use; the gold medal, or thirty guineas.

To be delivered on the first Tuesday in December, 1797.

146. REFINING WHALE OR SEAL.
OIL. For disclosing a method of puritying oil from glutinous matter; the
gold medal, or fifty guineas.

The process to be delivered on the fe-

THEIR OIL. For citcovering a m. thod of clearing goofe feathers from their oil, fuperior to any known; the gold medal, or forty guineas.

Accounts and 40 lb of feathers to be produced on the first Tuesday in February, 1798.

PARATION OF YEAST. For discovering a substitute for, or preparation of, yeast, that may be preserved fix months; the gold medal, or thirty guineas.

Specimens to be produced on the last Tuesday in November, 1797.

in 1797, not less than one hundred gallons of Proof Spirit from articles not the food of man or cattle; the gold medal, or fifty guineas.

Accounts and ten gallons to be produced on the first Tuesday in January,

151. PRESERVING SALTED PROVI-SIONS. For difcovering the cheapeft method of preferving falted provisions from becoming rancid or rufty; the gold medal, or thirty guineas.

Accounts and certificates to be produced on or before the first Tuesday in February, 1798.

nethod of increasing the quantity or the force of steam, in iteam-engines, with less suel than is now employed; the gold medal, or thirty guineas.

To be communicated on the first Tuesday in January, 1798.

154. PREVENTING THE DRY ROT IN TIMBER. For discovering the cause of the dry rot in timber, and disclosing a method method of prevention; the gold medal, or thirty guineas.

The accounts to be produced on the fecond Tuefdav in December, 1797.

156. FINE BAR-IRON. For making ten tons with coak from coak-pigs, in Five pounds, certificates, and accounts, England or Wales, equal to Swedish or to be produced on the last Tuesday in Fe-Rulhan ivon; the gold medal.

One hundred weight to be produced on the first Tuesday in January, 1798.

158. WHITE LEAD. For discovering a method of preparing white lead, in a manner not prejudicial to the workmen; the gold medel, or fifty guineas.

Certificates that a ton has been prepared, and the process, to be produced on the fecond Tuefelay to February, 1798

159. SUBSTITUTE POR BASIS OF PAINT. For the beft fubftitute for bafis of paint, equally proper as white lead; the gold medal, or one hundred guineas.

Fifty pounds weight to be produced on the second Tuesday in November,

1797-

161. REFINING BLOCK TIM. For disclosing a method of purifying block tin, fo as to fit it for the purpoles of grain tin; the gold medal, or fifty guineas

The process, and one hundred weight of the tin, to be produced on the first

Tuelday in November, 1797.

163. GLAZING EARTHEN-WARE WITHOUT LEAD. For discovering the most easily fusible composition for glazing ordinary earthen-ware without lead; the gold medal, or thirty guineas.

Specimens and carinficates to be produced on the first Tuctday in February,

1798.

164. PURIFYING BRACKISH WA-For discovering the bell method of purifying brackith water, to as to fit it for the ule of families; the filver medal and fifteen guineas.

Certificates, and an account of the method used, to be produced on the second

Tuelday in February, 1798.

165. BLACK DYE ON COTTON. For the buft black due on cutton yare fuperior to any in ule; the gold medal, or thirty guineas.

Accounts and certificates, with five pounds of yarn fo dyed, to be produced on the first Tuelday in February, 1798.

166. PRESERVING IRON FROM For a cheap composition to effectually preferve wrought iron from rutt; the gold medal, or fifty guineas.

Accounts and certificates, with ten pounds of the composition, to be produced on the first Luciday in January, £799-

169. OPIUM. For preparing, in 1797. not less than twenty pounds weight from poppies grown in Great Britain, equal to oreign opium; the gold medal, or fifty guineas.

bruary, 1798.

170. For not lefs than ten pounds weight; the filver medal, or twenty guineas.

PREMIUMS FOR PROMOTING THE POLITE ARTS.

173. HONOZARY PREMIUMS FOR DRAWINGS. For the best drawing by fons or grandfons of peers or peeretles of Great Britain or Ireland, to be produced on the first Tuelday in March, 1798; the gold medal.

174. For the next in merit; the filver

175, 176. The fame premiums will be given to daughters or grand-daughters of eers or peereffes of Great Britain or Ire-

177. HONORARY PREMIUMS FOR DRAWINGS. For the belt drawing of any kind, by young gentlemen under the age of twenty-one.

To be produced on the firf. Tuefday

in March, 1798; the gold medal.

178. For the next in merit; the filver medal.

179. 180. The fame premiums will be given for drawings by young ladies.

N.B. Perfons profeshing any branch of the polite arts, or the fons or daughters of fuch perfons, will not be admitted candidates in thefe claffes.

181. DRAWING. For the beft drawing, in Indian ink, of the statue of Jothus Ward, Elq. in the great room of the Society, not less than eighteen inches high; a filver medalison, in conformity to the will of John Stock, of Hampflead, Efq.
To be produced on the third Tuefday

in February, 1798.

182. DRAWINGS OF OUTLINES, For an outline after a group or caft, in plafter, of human figures, by persons under the age of fixteen, to be produced on the last Tuesday in February, 1798, the greater filver pallet.

183. For the next in merit, the less

filver pallet.

184. DRAWINGS OF LANDSCAPES. For the best drawing after Nature, by persons under twenty-one years of age, to be produced on the third Tuefday in February, 1798, the greater filver pallet. 185. For filver pallet.

186. HISTORICAL DRAWINGS. For the best original historical drawing of five or more human figures, to be produced on the third Tuefday in February, 1798, the gold pallet.

187. For the next in merit, the greater

filver pallet.

188. SURVEYS OF COUNTIES. For an accurate furvey of any county in England or Wales; the gold medal, or fifty guineas.

To be begun after the first of June, 2793, and produced on the last Tucfday cember, 1797.

in January, 1798.

192. NATURAL HISTORY. To the author who shall publish the natural history of any county in England or Wales; the gold medal, or fifty guineas. The work to be produced on or before the hit Tuefe'ay in January, 1798.

PREMIUMS FOR ENCOURAGING AND IM-PROVING MANUFACTURES

195. SILK. For ten pounds of filk, produced by one person in England, in the year 1797; the gold medal.

One pound, with certificates, to be delivered to the Society on the first Tues day in January, 1798.

For five pounds; the filver 196.

LE. For a machine for carding wafte filk, to be produced on the first Tuesday in November, 1797; the gold medal; or thirty guineas.

198. CLOTH FROM HOP-STALKS, OR BINDS. For not lets than thirty yards, twenty-leven inches wide, made in Great Britain, the gold medal, or thirty guineas; to be produced on the second Tuesday in December, 2797.

199. WICKS FOR CANDLES OR For discovering a method of LAMPS. manufacturing hop-flalks, or other cheap material, the growth of Great Britain, to supply the place of cotton for wicks of candles or lamps; twenty guineas.

Five pounds of the wicks, with certifcates, to be produced on the fecond

Tuelday in January, 1798.

201. PAPER FROM RAW VEGETA-BLES. For ten reams of uleful paper from raw vegetable fubitances; twenty guineas.

One ream and certificates to be produced on the first Tuesday in November, 2797·

185. For the next in merit, the less PREMIUMS FOR INVENTIONS IN MECHANICKS.

202. TRANSIT INSTRUMENT. FOR a cheap and portable inftrument; for the purpole of finding the latitudes and longitudes of places, the gold medal, or-forty guiness, to be produced on the last Tuesday in January, 17,8.

209. TAKING WHALES BY THE GUN HARPOON. For the greatest number, not lefs than three, by one perfon;

ten guineas.

Certificates of the taking the whales to be produced on the last Tuelday in De-

205. DRIVING BOLTS INTO SHIPS. For a model of a machine for driving bolts, particularly copper, into flips, fu-perior to any now in ule, the gold medal, or forty guineas.

To be produced on the first Tuesday

in February, 1798.

206. PARISH OR FAMILY MILL. For the best mill for grinding corn for private families or parish-poor; the gold medal, or forty guineas.

The mill and certificates to be produced on the first Tuesday in February, 1798.

207. MACHINE POR RAISING ORE. To the person who shall invent a machine and produce a model for raising ore, &c. from mines, at a less expence than any in use; the gold medal, or fifty guineas.

To be produced on the fecond Tuef-day in February, 1798.

208. MACHINE FOR RAISING WA-For a machine for railing water out of deep wells, superior to any in ule;

Certificates and a model to be produced on the first Tuesday in February, 1798.

209. PREVENTING WATER FREE-ZING IN PIPES. For discovering a chesp method of preventing water freezing in pipes ferving to topply dwell-ings; the gold meda, or thirty guineas.

Accounts and certificates to be produced on the first Tuesday in March, 1798.

210. PREVENTING HORSES TURNing a model, flewing an easy method of preventing the necessity of horses turning about in drawing water from deep wells; the gold medal, or forty guinea

To be produced on the first Tuesday

in February, 1798.

211. BORING ROCKS. For difcovering a more expeditious method than any in use of boring rocks in mines &c.; the gold medal, or forty guineas,

Carrificates and description of the me-

od to be produced on the first Tuesday January, 1798.

212 CLEANSING CHIMNEYS For e best apparatus for cleaning chimneys from foor, and preventing children being employed within the flues; the gold medal, or forty guineas.

The apparatus and certificates to be produced on the third Tuelday in Ja-

uary, 1798.

PREVENTING INJURY TO PASSENGER'S. For the best method of preventing paffengers in carriages being njured when the horfes have taken fright; the gold medal, or thirty guineas.

Certificates of the utility of the juvention to he produced on the fecond Tuef-

day in February, 1798.

214 GUNPOWDER - MILLS. inventing and perfedling, in the year 1797, a method of conducting gunpowder-mills fo as to p event a probabil ty of their bowing-up; the gold medal, or ne hundred guineas.

Certificates and accounts to be produced on the first Tuelday in February,

Any attempts on this fubject, though It fully adequate to preventing exploion, will be confidered and rewarded according to their merit.

PREMIUMS OFFERED FOR ADVANTAGE OF THE THE BRITISH COLONIES.

216. NUTMEGS. For ten pounds weight of nutmegs, the growth of his Majesty's dominions in the West Indies, or Africa, the gold medal, or one hundued guineas.

Certificates to be produced on the first

Tuesday in December, 1797.

218. CINRAMON. For twenty pounds weight, the growth of the islands in the West Indies, or the fettiements in Africa belonging to the crown of Great Britain, imported in 1797, the gold medal, or fifty guineas. Samples to be produced on the first Tuefday in January, 1798.

220. CLOVES. For twenty pounds weight, the growth of the islands in the West Indies, or settlements in Africa belonging to the Crown of Great Britain, imported in 1797; the gold medal, or fifty guineas.

Samples and certificates to be produced

on the first Tuesday in January, 1798. 223. BREAD-FRUIT TREE. For lantation of not less than one hundred read-fruit trees in any of the colonies of the West Indies, or Africa, subject to the Crown of Great Britain; the gold medal, or thirty guineas.

Accounts and certificates, with famples of the fruit, to be produced on the first Tuefday in January, 1798.

227. KALI FOR BARILLA. For cultivating two acres of land in the West Indies, or Africa, with Spanish Kali for making barilla; the gold medal, or 30 guineas.

228. For one acre, the filver medal, or

fifteen guineas.

Certificates, with famples, to be produced on the fecond Tuelday in Novem-

ber, 1797.

233. DESTROYING THE INSECT CALLED THE BORER. For discovering an effectual method of destroying the infect called, in the West India islands or Airies, the Borer, fo deftructive to the fugar-cane; the gold medal, or fifty guineas.

The discovery to be ascertained, and delivered, with certificates, to the Society on the first Tuefday in January, 1798.

235. BOTANIC GARDEN. For incloting and cultivating five acres in the Bahama iffands as a botanic garden; the gold medal, or one hundred guineas.

Certificates to be produced on or be-

fore the first Tuchiay in January, 1798. one ton imported into the port of London in the year 1798; the gold medal.

N. B. Cloths are made of this cotton of a nankeen colour without dying.

Certificates, figned by the fecretary of the Board of Trade of Bengal, with famples, not less than ten pounds, to be produced to the Society on the last Tuefelay in February, 1799.

240. ANNATTO. For not less than five hundred weight imported into the port of London from any of the British fettlements in the East Indies in the

year 1798; the gold medal.

Certificates. figned by the fecretary of the Board of Trade of the respective lettlement, that it is the produce of that fettlement, with samples, not less than ten pounds, to be produced to the Society on or before the last Tuesday in February, 1799.

242. TRUE COCHINEAL. For not lefs than five hundred weight imported into the port of London from any of the British fettlements in the East Indies in

the year 1798; the gold medal.

Certificates, figned by the fecretary of the Board of Trade of the respective fertiement, that it is the produce of that fettlement, with famples, not lefs than ten pounds, to be produced to the Society on or before the last Tuesday in February, 1799.